

Announcing three full-day workshops sponsored by the Kentucky Governor's Office of Energy Policy: High Performance Homes and HVAC Systems

- What are the provisions of the energy code?
- How can I go beyond the energy code?
- What HVAC systems are most effective?
- How can I control moisture and mold?
- What insulation and air sealing strategies work?
- What's the latest in ENERGY STAR and Green Buildings?

Earn Continuing Education Credits



## HIGH PERFORMANCE HOMES AND HVAC SYSTEMS

### ENERGY EFFICIENCY WORKSHOPS FOR KENTUCKY

**Bowling Green, June 14th**  
Holiday Inn University Plaza

**Louisville, June 20th**  
Univ. of Louisville, Shelby Campus

**Lexington, June 21st**  
Holiday Inn North

#### Workshop Sponsors

Kentucky Governor's Office of  
Energy Policy  
US Department of Energy

#### Workshop Cosponsors

AIA Kentucky  
Bluegrass ASHRAE  
Home Builders Association of Frankfort  
Home Builders Association of Kentucky  
Home Builders Association of Lexington  
Home Builders Association of Louisville  
Home Builders Association of Northern  
Kentucky  
Home Builders Association of Western  
Kentucky  
Kentucky Housing Corporation  
Kentucky Office of Housing, Buildings, &  
Construction  
KU and LG&E  
Lake Cumberland Home Builders  
Association  
Louisville Metro Government  
South KY RECC  
Tennessee Valley Authority  
Touchstone Energy Cooperatives  
University of Kentucky Cooperative  
Extension Service

## High Performance Home Workshops Register Now!

The Kentucky Governor's Office of Energy Policy is pleased to announce three full-day workshops on High Performance Homes and HVAC Systems coming up this June in Bowling Green, Louisville, and Lexington. These workshops support the goals outlined in Governor Ernie Fletcher's Comprehensive Energy Strategy. (Please visit [www.energy.ky.gov](http://www.energy.ky.gov) to view the Kentucky Energy Plan.)



The wide-ranging program features presenters from Southface, a nationally recognized organization with a 29-year history of providing

objective, entertaining training sessions on how to build better homes. These workshops will focus on the practical aspects of energy efficient construction that can increase the marketability of the homes you design and build, with special attention to high performance HVAC systems. Other key topics will include recent findings regarding moisture control, mold prevention, indoor air quality, and high performance buildings. From the footing to the ridge vent you will learn how the house works as a system and how to evaluate efficiency options from a common-sense, bottom-line standpoint.



This round of workshops will place special emphasis on cost effective technologies for surpassing both the energy code as well as ENERGY STAR® standards. The workshops will also feature case studies of successful high quality home programs, as well as information about green building programs in the region. The workshops are nuts and bolts sessions that focus on recommended construction details.

## Workshop Topics

- » Kentucky's Energy Code
- » How to prevent mold and avoid other moisture problems
- » Sealed crawlspaces with insulated walls
- » Technologies such as Structural Insulated Panels and Insulated Concrete Forms
- » Importance of air and moisture barriers
- » Avoiding HVAC and ductwork problems
- » Duct sealing and duct sizing
- » Indoor air quality and ventilation
- » Heat recovery systems
- » Radon mitigation
- » Green buildings and sustainable design
- » Blower doors and duct testing
- » ENERGY STAR Homes and HERS Ratings

## Continuing Education Credits

- » Architects belonging to AIA will receive 7.5 health, safety, and welfare learning units for attending the workshop.
- » Registered Builders and Remodelers belonging to the HBA of Northern Kentucky and Builders belonging to the Lake Cumberland HBA, the HBA of Frankfort, the HBA of Western Kentucky, and the BA of South Central Kentucky will receive 7.5 continuing education credits for attending the workshop. Members of the HBA of Lexington will receive 7 continuing education credits for attending the training.
- » Louisville Metro Residential Contractors will receive 6 credits for attending the workshop.
- » Building Code Inspectors will receive 4 continuing education credits for attending the workshop. (Please note, the 8:30-12:30 portion of the agenda is the session eligible for code inspectors' continuing education.)
- » HVAC Professionals will receive 8 continuing education credits towards a Master's and/or Journeyman's license for attending the workshop.

## Who Should Attend the Workshop?

- » Builders and general contractors
- » Architects and engineers
- » Local and state construction offices
- » Mechanical and insulation subcontractors
- » Code enforcement officials
- » County extension agents
- » Representatives of utility companies
- » Suppliers of lighting, HVAC, controls, and building materials
- » Developers, real estate agents, and appraisers
- » Energy specialists and other building professionals
- » Anyone interested in making tomorrow's buildings better

- Workshop attendees will receive:**
- Comprehensive workbook containing the workshop presentation
  - Demonstration and instructions for free download of software on energy code compliance
  - Lunch and breaks
  - Plenty of time to interact with other attendees
  - Ample opportunity for asking questions related to high performance buildings



Jeff Tiller



Scott Suddreth

**Your Trainers**

Jeff Tiller is co-founder of Southface, one of the leading energy training organizations in the nation, and Scott Suddreth has been working with Southface for several years. Southface has conducted hundreds of trainings on energy-efficient, high performance buildings, including energy code trainings, home building workshops, LEED trainings, HERS courses, and more. Southface has also developed dozens of comprehensive publications, fact sheets, and an award-winning air-sealing poster. Mr. Tiller and Mr. Suddreth both have many years of experience assisting in the design of buildings and in troubleshooting problems that have occurred.

**Agenda**  
**High Performance Homes and HVAC Systems**

- 8:00 Registration
- 8:30 Energy Code Basics
  - Moisture
  - Heat Transfer
  - Pressure Imbalance
- 9:00 The Energy Code and the Building Envelope
- 11:00 The Energy Code and HVAC
- 12:00 REScheck™ Software
- 12:30 Lunch (provided)
- 1:00 How High Performance Envelopes Help HVAC
  - Advances in Building Insulation and Air Sealing
  - Advances in HVAC Systems
  - Ventilation Systems
  - Hot Water, Appliances, and Lighting
  - Energy Modeling
  - Green Building Programs
- 4:30 Adjourn

**Learn About Kentucky's Statewide Residential Energy Code and the Latest Techniques for Improving Energy Efficiency**



Slab Insulation



Renewable Energy Technologies



Sealed Crawlspaces and Duct Sealing



Affordable Passive Solar Design



Advanced Drainage Systems for Foundations

Energy Efficient Framing Details



Blower Door and Other Diagnostic Testing



Wall and Ceiling Insulation



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**Southface**

Responsible Solutions for Environmental Living

**Registration Form**

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

FAX: \_\_\_\_\_

E-mail: \_\_\_\_\_

**Check all that apply:**

- ☐ Architect ☐ Engineer
- ☐ Builder/Gen. Cont. ☐ Building Code Official
- ☐ Utility Representative ☐ HVAC Professional
- ☐ Other: \_\_\_\_\_

**Which workshop location?**

- ☐ Bowling Green, Holiday Inn Univ. Plaza; June 14th, 2007
- ☐ Louisville, U of L Shelby Campus; June 20th, 2007
- ☐ Lexington, Holiday Inn North; June 21st, 2007

**Workshop payment:**

**Workshop Fee: \$50**

Type of Payment: ☐ Check ☐ Credit Card

Type of card: ☐ Master Card ☐ Visa

Credit Card #: \_\_\_\_\_

Exp: \_\_\_\_\_ Signature: \_\_\_\_\_

**Make checks payable to Southface.**

**Mail or FAX this registration to:**

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**Boone, NC 28607**  
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